

4 1	J. J. INT	HE UNITED STATES PAT	ENT AND TRADEM	ARK OFFICE
In re A	Application of: Xu et al.		§ Examine	rt Unit: 2858 r: Unknown
Serial	No. 10/699,352	2		. No. 5589-05001
Filed: For:	METHODS AND SYSTEMS FOR DETERMINING AN ELECTRICAL PROPERTY OF AN INSULATING FILM		with the U.S. Posta addressed to: Co	y that this correspondence is being deposited I Service as First Class Mail in an envelope emmissioner for Patents, P.O. Box 1450, 13, on the date indicated below: Damela Devik Pamela Gerik
		INFORMATION DISC	LOSURE STATEMI	ENT
P.O. B	issioner for Par ox 1450 ndria, VA 2231			
Sir/Ma	ıdam:			
		nal information identified belo		the attached Form PTO-1449 copy of each reference listed on
1.	This Informat	nis Information Disclosure Statement is submitted:		
	a.	within 3 months of the filing date of a national application other than a continued prosecution application under § 1.53(d); within 3 months of the date of entry of the national stage as set forth in § 1.491 in an International application; before the mailing date of a first Office Action on the merits; or before the mailing of a first Office Action after the filing of a request for continued examination under § 1.114.		
	b.	after the events of above paragraph 1a and prior to the mailing date of a final Office Action or Notice of Allowance, and thus: \Box the certification of paragraph 2 below is provided, \underline{or} \Box a fee of \$180.00 is enclosed.		
	c. 🗌		, and thus: the certifi	Notice of Allowance and prior cation of paragraph 2 below is

2.	It is h	It is hereby certified:			
		that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or			
		that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in § 1.56 (c) more than three months prior to the filing of the Statement.			
3.		Consideration of the following additional information (including any co-pending or abandoned U.S. applications, prior uses and/or sales, etc.) is requested:			
4.	For e	ach non-English language reference listed on the attached Form PTO-1449:			
		reference is made to an English language translation submitted herewith, and/or			
		reference is made to a foreign patent office search report (in the English language) submitted herewith, and/or			
		reference is made to an English language translation of a foreign patent office search report submitted herewith, and/or			
		reference is made to the concise explanation contained in the specification of the present application at page(s), and/or			
		reference is made to the concise explanation set forth below:			
5.		Applicant also offers the following comments for the Examiner's consideration:			
6.		Also enclosed is a copy of a foreign search report citing these references.			
7.		The listed documents were brought to the attention of the Applicant(s) after payment of the issue fee in the captioned case. The documents were cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. Applicant(s) request this Information Disclosure Statement and attached Form PTO-1449 be placed in the file of the captioned application.			
8.		Applicant(s) requests that the Information Disclosure Statement and attached Form PTO-1449 and references, which are being filed before the grant of the patent and pursuant to 37 C.F.R. § 1.97(i), be placed in the file of the captioned application.			

If any required fees are missing, the Commissioner is authorized to charge said fees to Conley Rose, P.C. Deposit Account No. 03-2769/5589-05001.

Respectfully submitted,

Ann Marie Mewherter

Reg. No. 50,484

Agent for Applicant(s)

CONLEY ROSE, P.C. P. O. Box 684908 Austin, Texas 78768-4908 (512) 476-1400

Date: 5-5-04

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Form PTO-1449 (modified)

List of Patents and Publications For Applicant's Information
Disclosure Statement

TTY. DKT. NO. 5589-05001

SERIAL NO. 10/699,352

APPLICANT: Xu et al.

GROUP: 2858

FILING DATE: October 31, 2003 (Use several sheets if necessary) **U.S. PATENT DOCUMENTS** REF. **DOCUMENT NUMBER** DATE NAME CLASS **SUB** FILING DATE IF EXAM. **APPROPRIATE INITIALS** DES. **CLASS FOREIGN PATENT DOCUMENTS** CLASS **TRANSLATION** EXAM. REF. DOCUMENT NUMBER DATE COUNTRY SUB YES/NO **INITIALS** DES. **CLASS** WO **A1** 98/57358 1998-12-17 OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.) Cosway et al., "Manufacturing Implementation of Corona Oxide Silicon (COS) Systems for Diffusion Furnace Contamination Monitoring," 1997 IEEE/SEMI Advanced Semiconductor Manufacturing Conference, pp. 98-102. Miller, "A New Approach for Measuring Oxide Thickness," Semiconductor International, July 1995, pp. **A3** 147-148. Numerical Recipies in C, The Art of Scientific Computing, 2nd Ed., © Cambridge University Press A4 1988, 1992, p. 683. Weinberg, "Tunneling of Electrons from Si into Thermally Grown SiO₂," Solid-State Electronics, **A5** 1977, Vol. 20, pp. 11-18. Verkuil, "Rapid Contactless Method for Measuring Fixed Oxide Charge Associated with Silicon A6 Processing," IBM Technical Disclosure Bulletin, Vol. 24, No. 6, 1981, pp. 3048-3053. "Contactless Photovoltage vs. Bias Method for Determining Flat-Band Voltage," IBM Technical **A7** Disclosure Bulletin, Vol. 32, Vol. 9A, 1990, pp. 14-17. "Contactless Electrical Equivalent Oxide Thickness Measurement." IBM Technical Disclosure **A8** Bulletin, Vol. 29, No. 10, 1987, pp. 4622-4623.

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.